## PUBLIC ROADS ADMINISTRATION FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: FEBRUARY 28, 1946

SUBJECT: TRAFFIC VOLUME TRENDS

January 1946 marks the beginning of the postwar period in traffic. For the first time since the war, the total traffic flow on the rural highways of the country exceeded the volume in the corresponding month of 1941. After four years of restrictions the upward trend in travel has been resumed.

On the basis of preliminary estimates, total travel on rural roads during January exceeded the amount of such traffic in January 1941 by 6.9 percent. Traffic on main highways was 9.2 percent above, and that on local roads 1.1 percent above the 1941 figures.

Traffic in the two western regions was 24.0 percent above corresponding 1941 counts, that in the central regions was 3.2 percent above, although that in the eastern regions was still 1.6 percent below the 1941 levels.

Comparisons of city traffic in January with corresponding traffic in January 1945 are as follows:

- 6 stations in Chicago, Illinois +24.3 percent.
- 3 stations in Detroit, Michigan +30.9 percent.
- 1 station in Santa Fe, New Mexico +35.5 percent.
- 5 stations in St. Louis, Missouri +20.6 percent.

H. S. FAIRBANK, DEPUTY COMMISSIONER, PUBLIC ROADS ADMINISTRATION

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TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR JANUARY 1946 INCLUDING 574 STATIONS IN 42 STATES<sup>1</sup>

Type of highway and State	Number of stations	Percentage change from Jan. 1945	Type of highway and State	Number of stations	Percentage change from Jan. 1945
STATE HIGHWAYS	and a second control of the second control o		STATE HIGHWAYS		
Alabama	8	+32.7	(Continued)		
Arizona	4	+72.2	Vermon t	9.	+60.3
Arkansas	13	+58.9	Virginia	3	+75.4
California	6	+71.8	Washington	10	+47.8
Colorado	5	+37.1	West Virginia	11	+63.7
Connecticut	17	+71.6	Wisconsin	9	+44.6
Delaware	6	+56.2	Wyoming	6	+43.0
lorida	19	+71.5			
Georgia	4	+67.2	TOTAL - 42 STATES	542	+60.2
Idaho	8	+43.0			
Illinois	4	+35.6	LOCAL HIGHWAYS		
Iowa	26	+43.0	Alabama	2	+33.0
Kansas <sup>2</sup>	14	+27.2	Connecticut	3	+34.0
Kentucky	11	+59.3	De laware	2	+ 1.7
Louisiana	8	+30.5	Georgia	4	+10.6
Maine	10	+46.0	Iowa	9	+14.2
Maryland	17	+53.7	Mary 1 and	1	+21.2
Michigan	26	+34.3	Michigan	2	+42.4
Mississippi	10	+35.3	Montana	2	+ 8.4
Missouri	23	+52.8	Nebraska	1	+38.7
Montana	12	+44.3	North Dakota	1	+33.3
Nebraska	10	+40.0	Ohio	2	+68.0
Nevada	16	+64.7	Oregon	1	+53.8
ew Hampshire	14	+68.3	Rhode Island	1	+54.7
New Mexico	12	+45.7	Wisconsin	1	+ 9.6
New York	2	+61.4			
North Carolina	20	+59.2	TOTAL - 14 STATES	32	+36.9
North Dakota	4	+16.1			
Ohio	18	+68.3	ALL HIGHWAYS		
Oklahoma	20	+52.8	42 STATES	574	+53.2
Oregon	4	+74.0		<del> </del>	
Pennsylvania	29	+83.2	3 KASTERN REGIONS	174	+69.1
Rhode Island	2	+24.1			
South Dakota	8	+32.7	4 CENTRAL REGIONS	304	+43.1
Texas	74	+37.6			
Utah	10	+11.9	2 WESTERN REGIONS	98	+55.0

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Includes all States except Indiana, Massachusetts, Minnesota, New Jersey, South Carolina and Tennessee.

Abnormal conditions in 1945 or 1946 affected 1 count in Kansas, excluding station 10, the increase is 48.2 percent.

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TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR DECEMBER 1945 INCLUDING 618 STATIONS IN 45 STATES<sup>1</sup>

	Number	Percentage		Number	Percentage
Region and State	of	change from	Region and State	of	change from
	stations	Dec. 1944		stations	Dec. 1944
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	20	+37.0	Al abama	10	+23.2
Maine	10	+33.2	Kentucky	12	+38.8
Massachusetts	8	+22.8	Mississippi	10	+30.0
New Hampshire	14	+34.9	Tennessee	3	+58.3
Rhode Island	3	+12.0	Subtotal	35	+33.0
Vermon t	9	+52.2			
Subtotal	84	+33.0	WEST SOUTH CENTRAL		
			Arkansas	10	+37.4
MIDDLE ATLANTIC			Louisiana	8	+23.6
New York	4	+41.7	Ok 1 ahoma	20	+42.4
Pennsy I vania	29	+43.0	Texas	74	+33.6
Subtotal	33	+42.7	Subtotal	112	+34.2
SOUTH ATLANTIC			MOUNTAIN		***
Delaware	8	+21.8	Arizona	5	+66.6
Maryland	18	+27.8	Colorado	6	+29.2
Virginia	2	+53.2	Idaho	7	+32.1
West Virginia	10	+54.6	Montana	14	+19.8
Subtotal north	1	13410	Nevada	16	+49.7
portion	38	+32.0	New Mexico	12	+49.7
		,02.0	Utah	10	+13.0
Florida	17	+48.2	Wyoming	6	+52.7
Georgia	11	+39.4	Subtotal	76	+39.4
North Carolina	20	+37.5			
Subtotal south			PACIFIC		
portion	48	+41.8	California	7	+64.6
			Oregon	5	+52.9
Subtotal region	86	+37.3	Washington	10	+40.5
			Subtotal	22	+51.6
EAST NORTH CENTRAL			TOTAL ALL STATES2	618	+37.1
Illinois	4	+37.9	TOTAL ALL STATES	0.10	107.1
Indiana	22	+40.1			
Michigan	28	+23.7	STATE HIGHWAYS2	584	+44.0
Ohio	20	+51.2			•
Wisconsin	10	+27.6			
Subtotal	84	+34.2	LOCAL HIGHWAYS	34	+20.3
WEST NORTH CENTRAL					
Iowa	35	+28.0	3 EASTERN REGIONS	183	+38.8
Kansas <sup>3</sup>	14	+ 9.4	J JANA AND MAULURU	1 30	100.0
Missouri	27	+38.5			
Nebraska	12	+24.7	4 CENTRAL REGIONS	337	+32.7
North Dakota	8	+34.2			
South Dakota	10	+15.2			
Subtotal	106	+28.4	2 WESTERN REGIONS	98	+47.4

<sup>1</sup> Combined State and local highways.

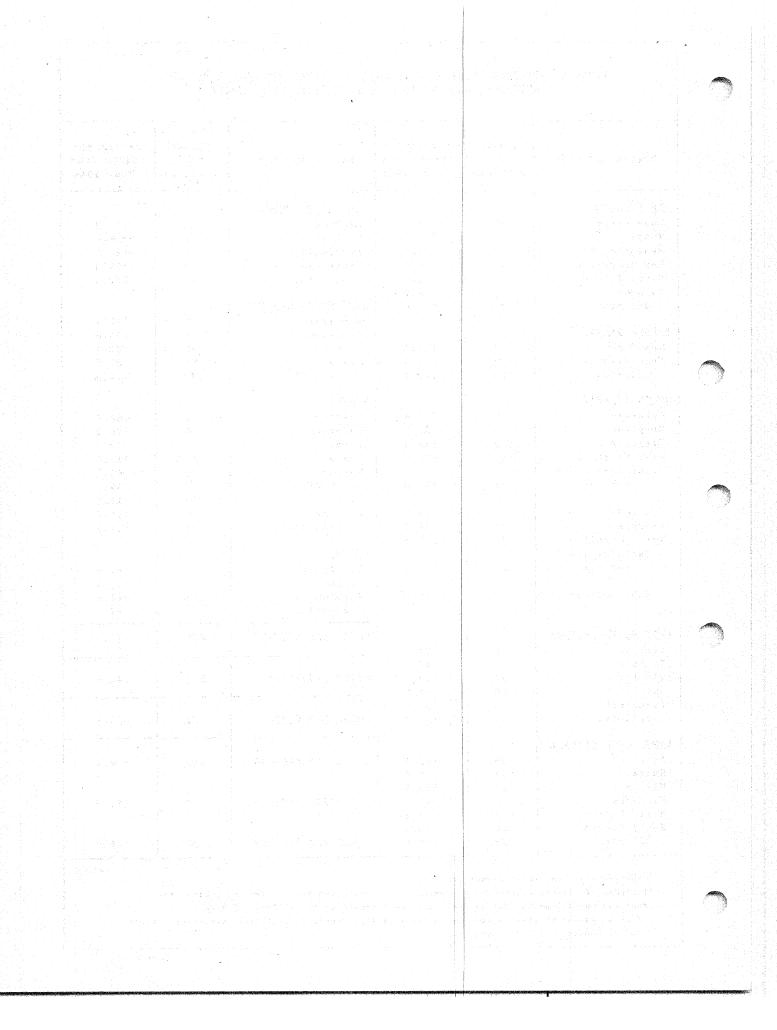
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<sup>&</sup>lt;sup>2</sup>Includes all States except the following: Minneaota, New Jersey, and South Carolina.

<sup>3</sup> Abnormal conditions in 1944 or 1945 affected 2 counts in the following States:

Kansas, excluding station 10, the increase is 27.9 percent. Louisiana, excluding station

<sup>23,</sup> the increase is 29.9 percent.



## TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES IN JANUARY 1946 COMPARED WITH THOSE IN JANUARY 1945 AND 1941.

		1946		Pe	rcentage cha from 1945	ing e		Percentage c from 194	941					
Facilities	Total	Passenger cars	Trucks and busses	Total	Passenger cars	Trucks and busses	Total	Passenger cars	Truck and busse					
		EAST	ERN REGIONS											
4 in the New England States	38,698	33,364	5,334	+36.5	+36.4	+36.9	+15.0	+ 9.0	+74.4					
16 in the Middle Atlantic States	7,246,594	6, 134, 041	1,112,553	+69.8	+85.3	+16.3	+18.4	+17.1	+25.8					
leetwood Viaduct, Westchester County,														
New York	256,672	256,672		+190.2	+190.2		- 5.9	- 5.9						
ennsylvania Turnpike	122,219	92,624	29,595	+116.0	+190.9	+19.6	+25.3	+18.0	+55.					
in the South Atlantic States	275,297	222, 227	53,070	+74.3	+102.4	+10.2	+29.4	+36.0	+ 7.					
FOTAL - 26 facilities 1	7.939.480	6,738,928	1,200,552	+72.6	+89.0	+16.2	+17.8	+16.5	+25.6					
TOTAL - 31 facilities	8,353,491	7,100,895	1,252,596	+19.8	+18.8	+25.5	' ' ' '	1.0.5	12011					
			RAL REGIONS											
3 on the Great Lakes Canadian Border <sup>2</sup>	118,098	106,685	11,413	+86.9	+107.7	- 3.5	+44.4	+52.0	- 1.8					
2 in the Great Lakes Canadian Border	61,491	43,343	18,148	+101.8	+181.7	+20.3	+ 7.0	+22.4	-17.					
Subtotal - 5 facilities	179.589	150,028	29,561	+91.8	+124.8	+ 9.9	+29.0	+42.1	-12.					
on the Ohio River <sup>3</sup>	410,221	335.355	74,866	+54.4	+64.1	+22.1	+15.4	+18.3	+ 4.					
2 in Kentucky	19,084	13, 197	5,887	+49.5	+62.1	+27.3	+85.7	+83.2	+91.					
Subtotal - 9 facilities	429,305	348,552	80,753	+54.2	+84.0	+22.5	+17.4	+19.9	+ 7.					
6 on the Mississippi and St. Croix Rivers						100								
Louis and north	273,231	235,394	37.837	+23.5	+28.9	- 2.3	+39.1	+42.1	+23.					
on the Mississippi River south of	,	1	5. (55)	1.0010			100.10							
St. Louis	34,499	24,252	10,247	+31.0	+54.0	- 3.2	+ 2.1	+22.6	- 26 .					
Subtotal - 7 facilities	307,730	259,646	48,084											
4 on the Missouri River	354.778	286,398	50.250	+36.1	+42.6			+37.9	+13.					
on the Missouri River	2,981	286,398	68,380 585	+56.0	+54.6	+14.5 +62.0	+32.2	+ 4.4	-26.					
	2,301	2,330	363	130.0	134.0	102.0	3.7	' ' '	-20.					
Subtotal - 8 facilities	357,759	288,794	68,965	+38.3	+42.7	+14.7	+31.8	+37.5	+12.					
TOTAL - 27 facilities 1	1,274,383	1,047,020	227,363	+44.4	+54.0	+12.4	+26.6	+32.2	+ 5.					
TOTAL - 33 facilities	1,491,556	1,218,961	272,595	+46.1	+54.0	+12.4	+20.0	+32.2	T 5.1					
	1,151,550	1 1,210,301	2,2,333	1 140.1	1,54.0	140.5	L	<del> </del>	<del></del>					
		WEST	ERN REGIONS											
2 in California	2,344,577	2,133,786	210,791	+33.3	+37.8		+45.5	+43.0	+77.					
in the Oregon-Washington area	277,786	241,159	36,627	+52.9	+58.8	+22.9	+121.4	+118.6	+141.					
TOTAL - 6 facilities	2,622,363	2,374,945	247,418	+35.1	+40.0	+ 2.8	+51.0	+48.2	+84.					
		ואט	TED STATES					·						
TOTAL - 59 facilities 1	11,836,226	10,160,893	1,675,333	+59.5	+70.9	+13.5	+24.8	+24.3	+28.					
TOTAL - 70 facilities	12,467,410	10,694,801	1,772,609	+25.5	+26.3	+20.8	1	1						

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These facilities have comparative data for 1946, 1945 and 1941 and are included in the larger total below.

Two of these facilities are in Western New York and therefore are related to similar facilities in the Central States.

<sup>&</sup>lt;sup>3</sup>Four of these facilities are between Ohio and West Virginia.

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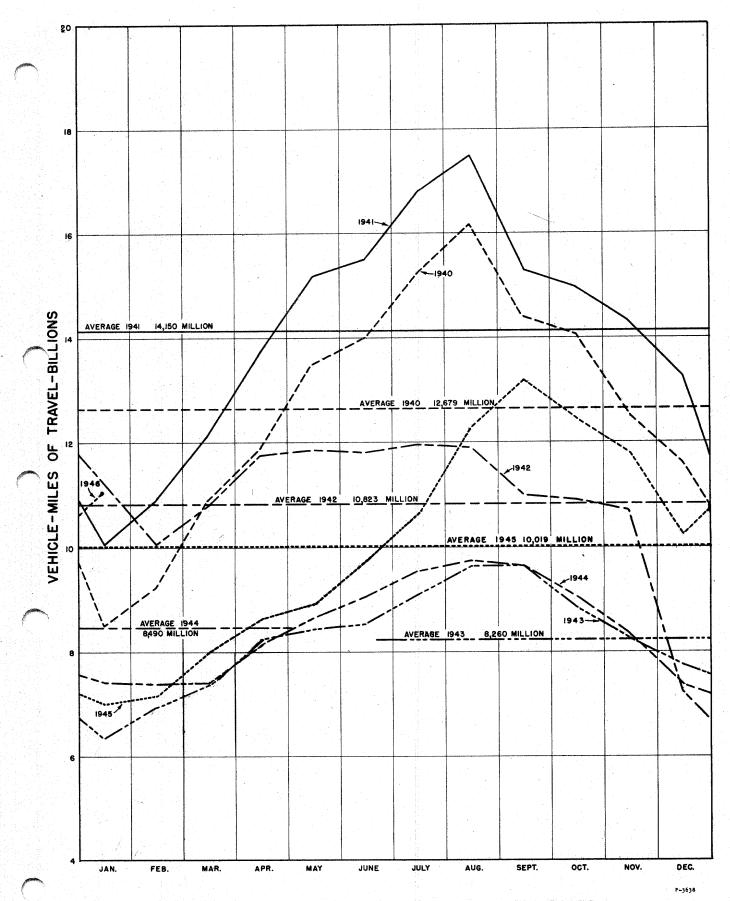
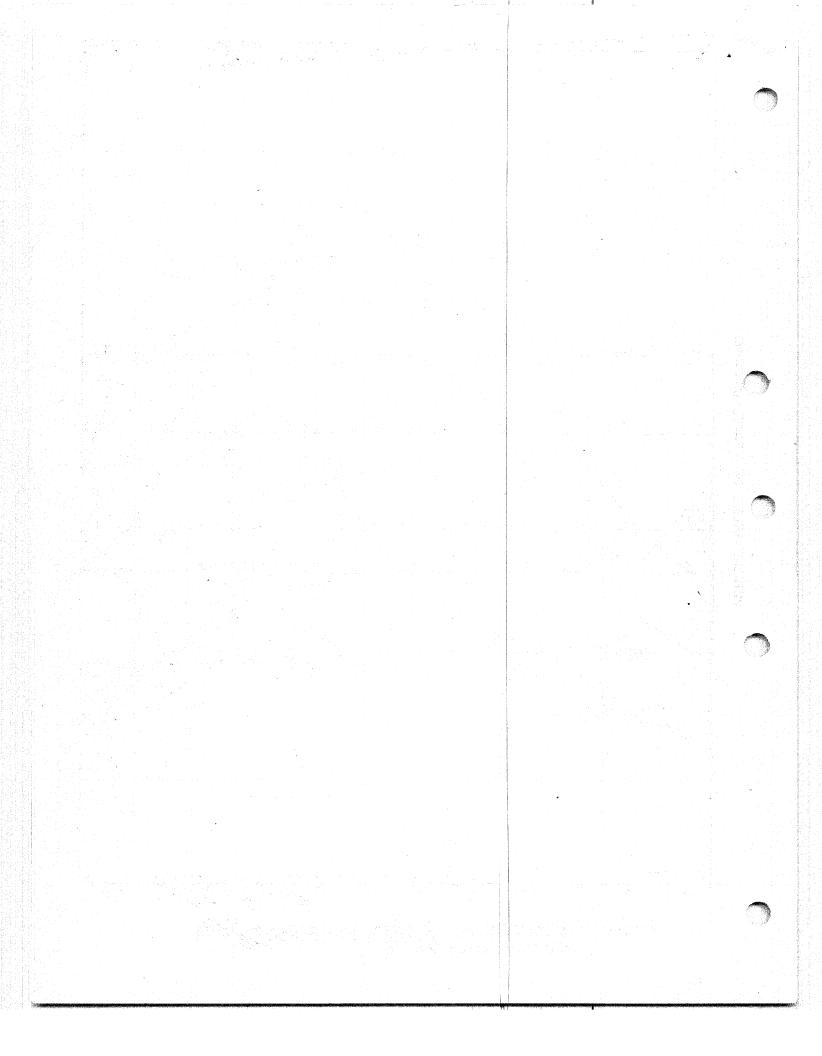


FIGURE I -- VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS 1940 TO 1946 BY MONTHS.



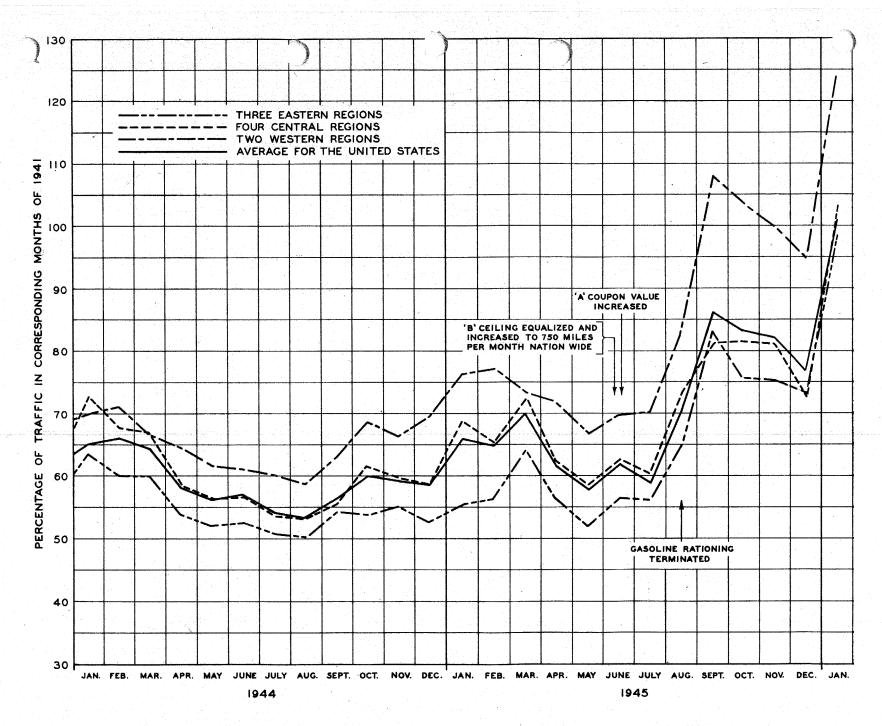


FIGURE 2 - PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1944
1945 AND 1946 WITH THAT IN CORRESPONDING MONTHS OF 1941 P-3638

